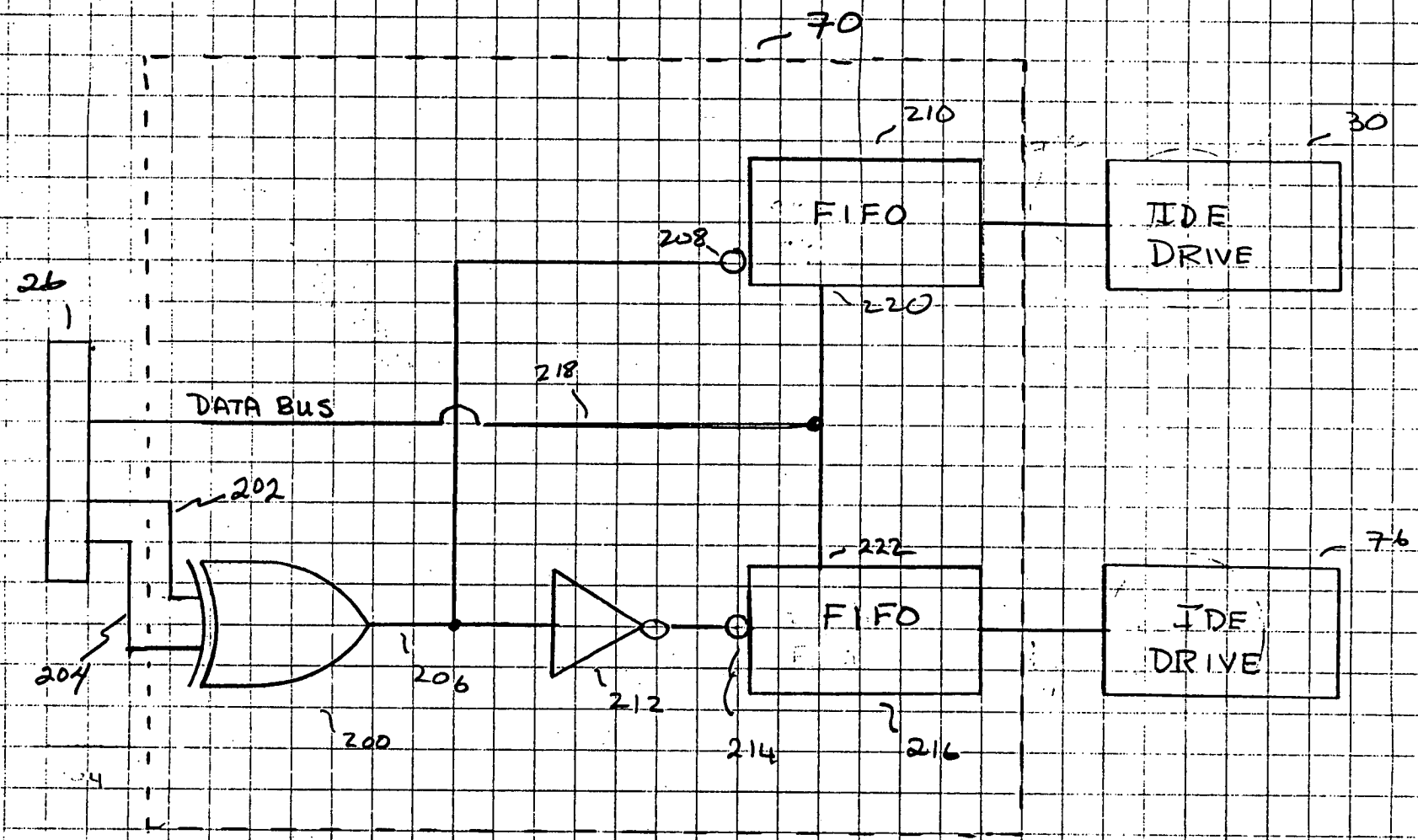
FIG 9

		Even Count		Odd Count	
		Dr. 0	Dr 1	Dr 0	Dr 1
Even start	Start	0	0	0	0
	Count	0	0	+1	0
Odd start	Start	+1	0	+1	0
	Count	0	0	0	+1

FIGURE 8


70
210
30
FIFO
IDE DRIVE
208
220
26
218
DATA BUS
202
222
76
FIFO
IDE DRIVE
204
206
212
214
216
200
4

EXAMPLE ONE

Figure 7

THE O/S MAKE A REQUEST FOR 8 SECTORS OF DATA STARTING WITH SECTOR 33. THE SECTORS REQUEST (AND THEIR BITS SET) ARE:

	Sector address
33	100001
34	100010
35	100011
36	100100
37	100101
38	100110
39	100111
40	101000

OUR PROPOSAL SHIFTS THE SECTOR REQUEST RIGHT 1-BIT AND USES THE LSB TO SELECT THE DRIVE

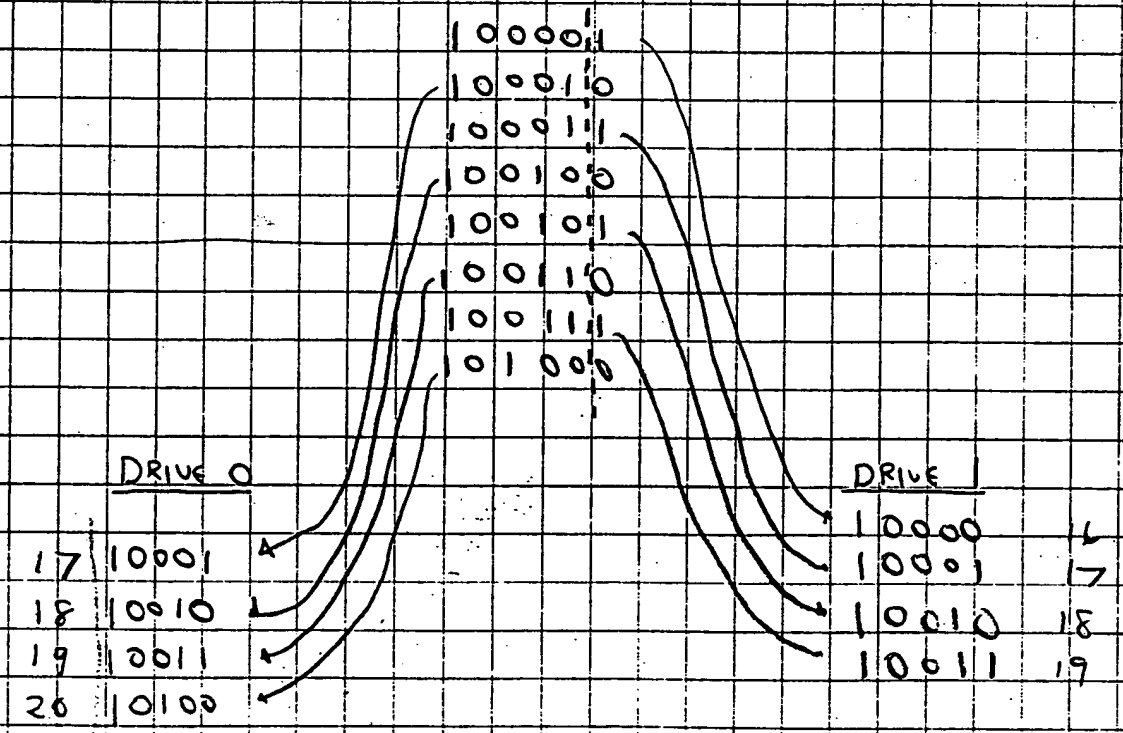


FIGURE 6

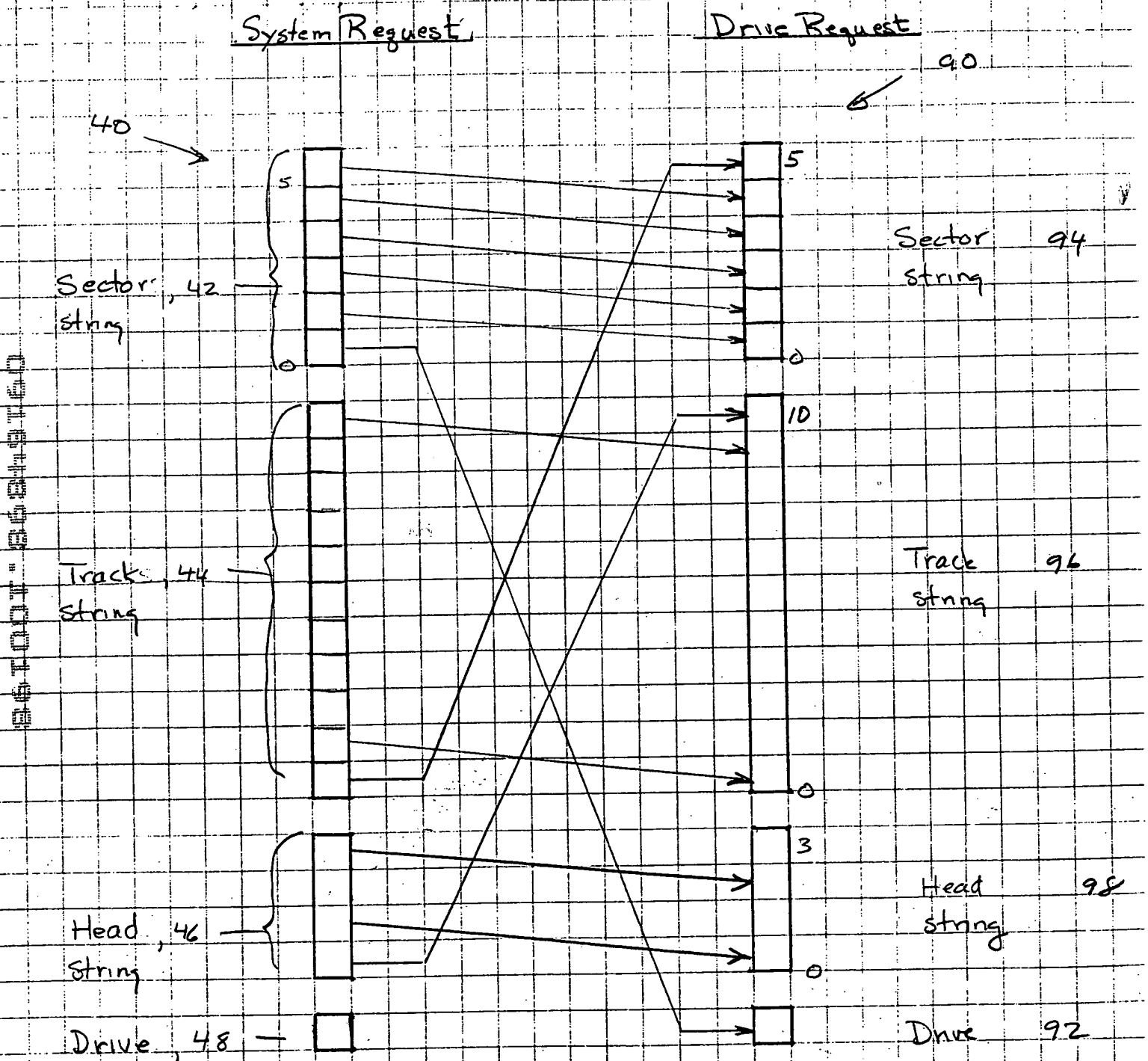

System Request
Drive Request
90
40
5
0
Sector, 42
String
Sector 94
String
10
Track, 44
String
Track 96
String
3
Head, 46
String
Head 98
String
Drive, 48
Drive 92

FIGURE 5 (PRIOR ART)

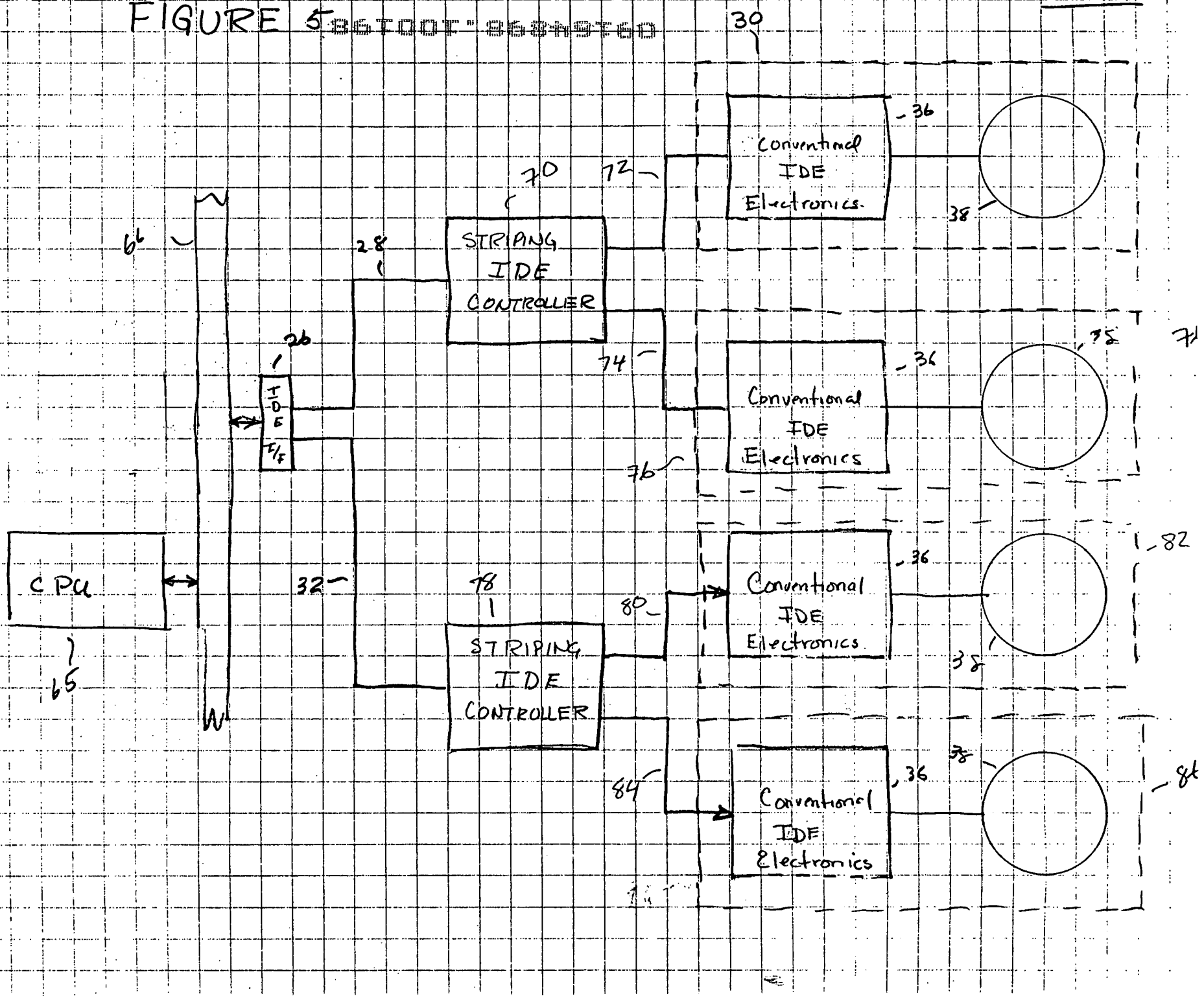
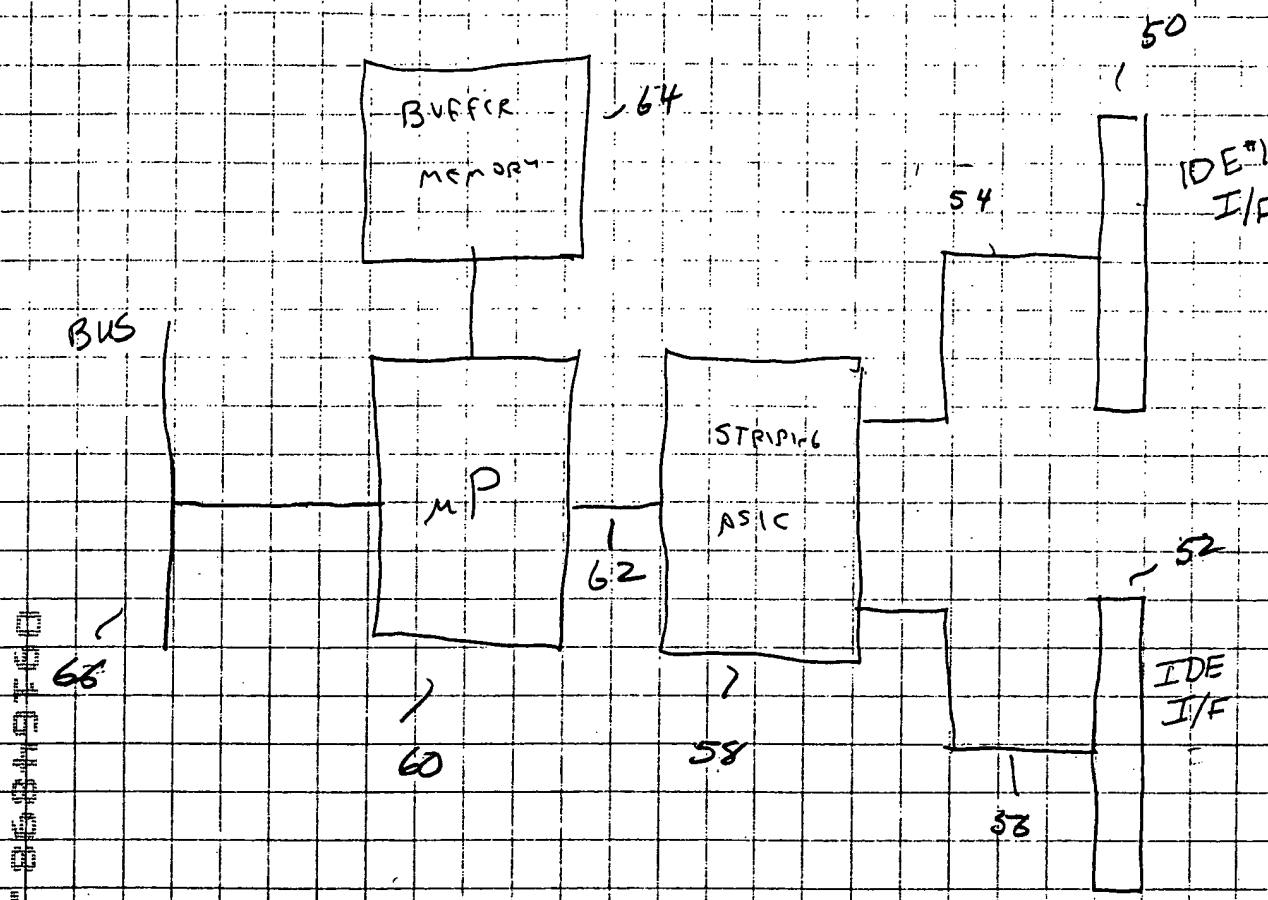


Figure 4

PRIOR ART



86T00T"868h9T60

FIG 3

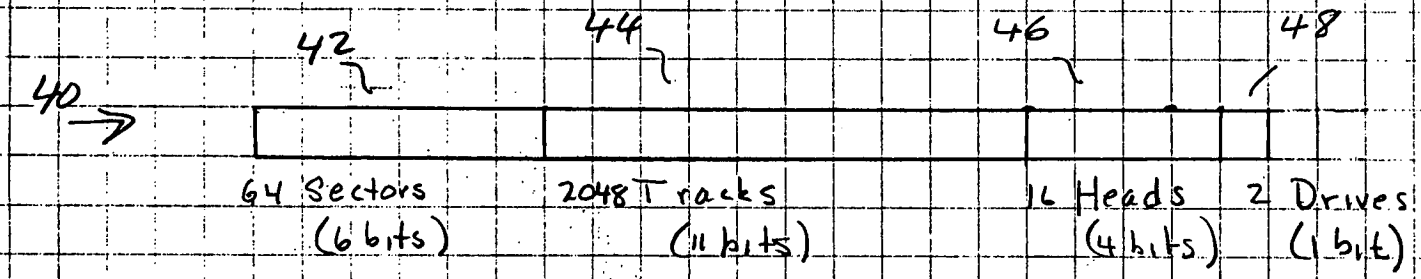


FIG. 2
PRIOR ART

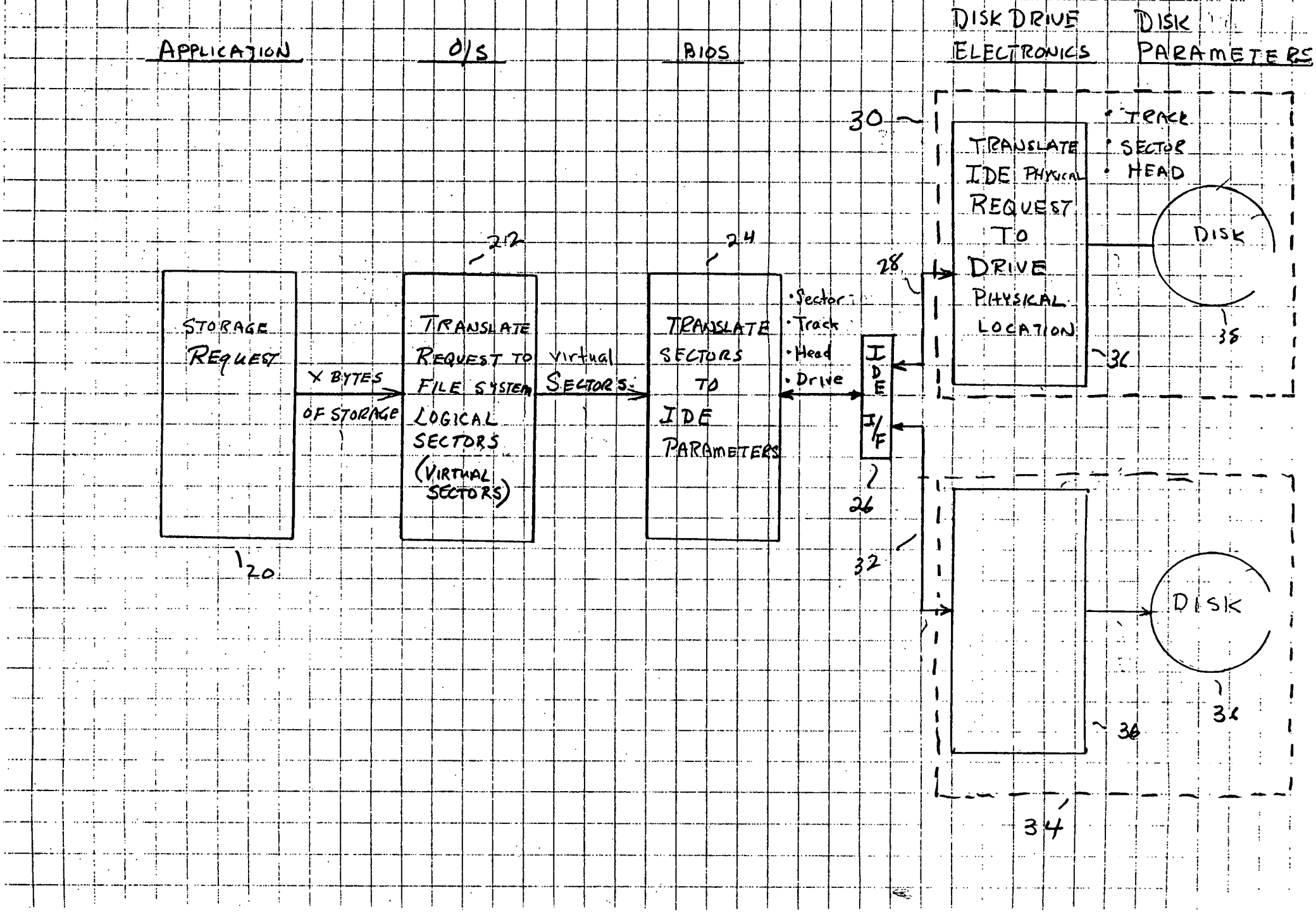
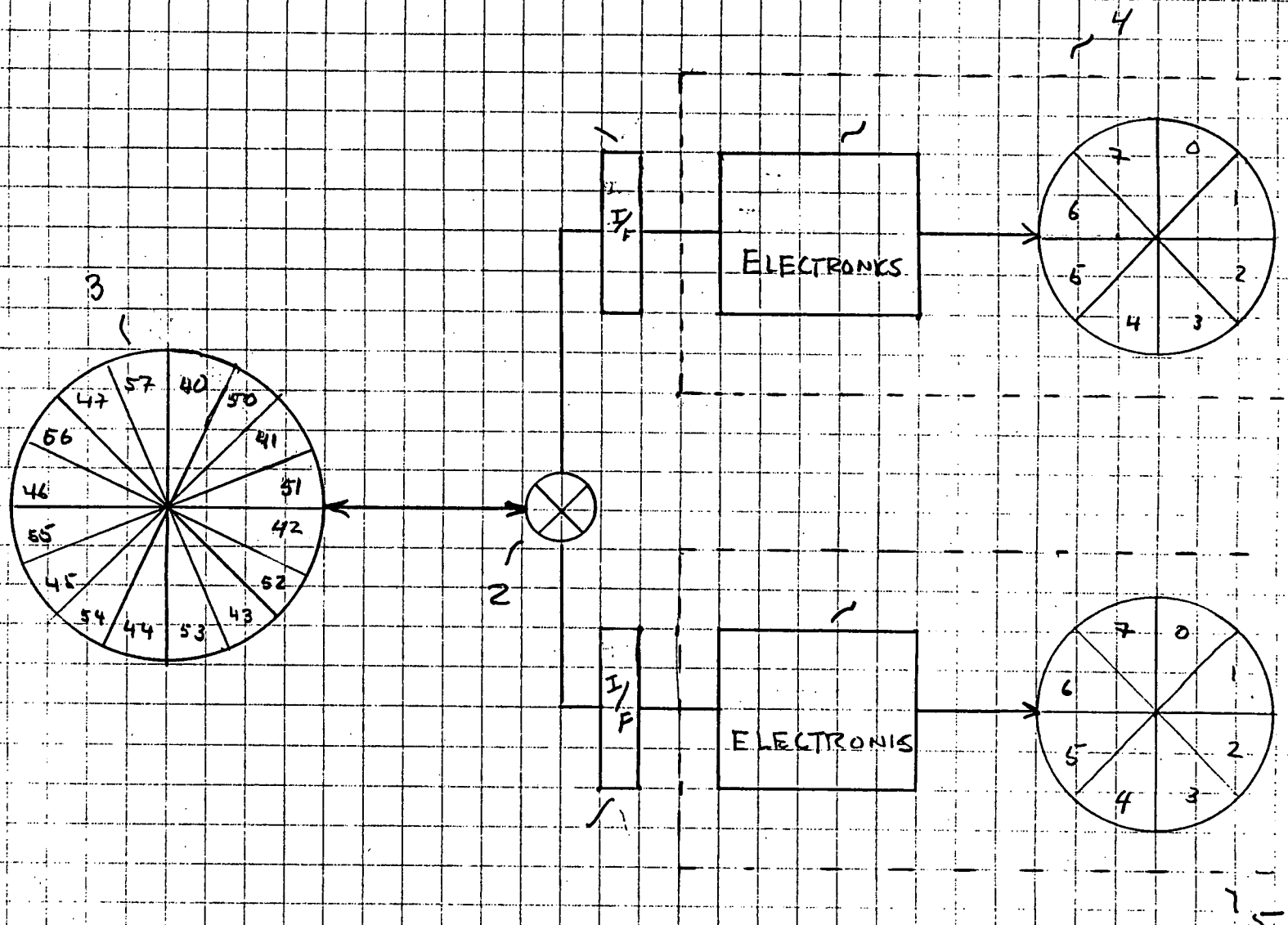


FIGURE 1

PRIOR ART